OBJECTIVE

The objective of proposed research work is to invent a novice method of Condition Monitoring of power transformers. The Condition Monitoring of power transformers will help to manage the risk of unplanned failure of transformer. The recent development in on line monitoring not only monitors parameter of transformer but also carry out in depth analysis of the condition of transformer dielectric & accessories.

Objective of present research work

- In research work traditional chemical diagnostics tool i.e. Dissolved Gas Analysis (DGA) for condition monitoring of transformer extensively used by utilities manufacturer to detect incipient fault is developed by Object Oriented Web Enabled Method (OOWE).
- Monitoring of power transformer provides a clear indication of their operational status and ageing behavior.
- Identifying problem with condition monitoring helps power transformer asset manager and engineer to determine the latent cause and apply subsequent solution and help in preventing an unplanned outage.
- From data of condition monitoring the prediction of remaining life of is an important application of condition assessment.
- In research, Modern tool such .net, J2EE when used MATLAB is not required.
- Using Web Technology data can be transmitted from one substation to other substation central monitoring station.

In this research work, contribution can be made, by developing OOWE expert system for gas Ratio techniques used for DGA.